

what is claimed is:

1. A transportation fuel having the following properties;
 - a) sulfur content of less than about 300ppm,
 - b) an octane rating of less than about 94,
 - c) a 50% D-86 distillation point of greater than about 215°F,
 - d) a 90% D-86 distillation point of less than about 360°F,
 - e) an olefins content of less than about 25%, and
 - f) a Reid Vapor Pressure of less than 7.5.
2. A transportation fuel according to claim 1, having a sulfur content of less than 80ppm.
3. A transportation fuel according to claim 1, further comprising at least one oxygenating component selected from the group consisting of ethyl tert-butyl ether, methyl tert-butyl ether, tert-amyl methyl ether, methanol and ethanol.
4. A transportation fuel having the following properties;
 - a) sulfur content of less than about 300ppm,
 - b) an octane rating of less than about 94,
 - c) a 50% D-86 distillation point of less than about 235°F,
 - d) a 90% D-86 distillation point of greater than about 315°F,
 - e) an olefins content of less than about 25%,
 - f) a Reid Vapor Pressure of less than 7.5.

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5. A transportation fuel according to claim 4, having a sulfur content of less than 80ppm.

6. A transportation fuel according to claim 4, further comprising at least one oxygenating component selected from the group consisting of ethyl tert-butyl ether, methyl tert-butyl ether, tert-amyl methyl ether, methanol and ethanol.

7. A transportation fuel having the following properties;

- a) sulfur content of less than about 300ppm,
- b) an octane rating of less than about 94,
- c) a 50% D-86 distillation point of less than about 235°F,
- d) a 90% D-86 distillation point of less than about 360°F,
- e) an olefins content of greater than about 15%,
- f) a Reid Vapor Pressure of less than 7.5.

8. A transportation fuel according to claim 7, having a sulfur content of less than 80ppm.

9. A transportation fuel according to claim 7, further comprising at least one oxygenating component selected from the group consisting of ethyl tert-butyl ether, methyl tert-butyl ether, tert-amyl methyl ether, methanol and ethanol.

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10. A blend stock suitable for blending with an oxygenating component to produce a transportation fuel, said blend stock having the following properties;

- a) sulfur content of less than about 300ppm,
- b) an octane rating of at least 83.5,
- c) a 50% D-86 distillation point of less than about 232°F,
- d) a 90% D-86 distillation point of greater than about 360°F,
- e) an olefins content of less than about 21%,
- f) a Reid Vapor Pressure of less than 7.5.

11. A blend stock according to claim 10, having a sulfur content of less than 80ppm.

12. A blend stock according to claim 10, said blend stock being blended with an oxygenate to produce a transportation fuel having an octane rating of at least 87.

13. A blend stock according to claim 12, wherein said oxygenate is selected from the group consisting of ethyl tert-butyl ether, methyl tert-butyl ether, tert-amyl methyl ether, methanol and ethanol.

14. A blend stock according to claim 11, said blend stock being blended with an oxygenate to produce a transportation fuel having an octane rating of at least 87.

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15. A blend stock according to claim 14, wherein said oxygenate is selected from the group consisting of ethyl tert-butyl ether, methyl tert-butyl ether, tert-amyl methyl ether, methanol and ethanol.

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